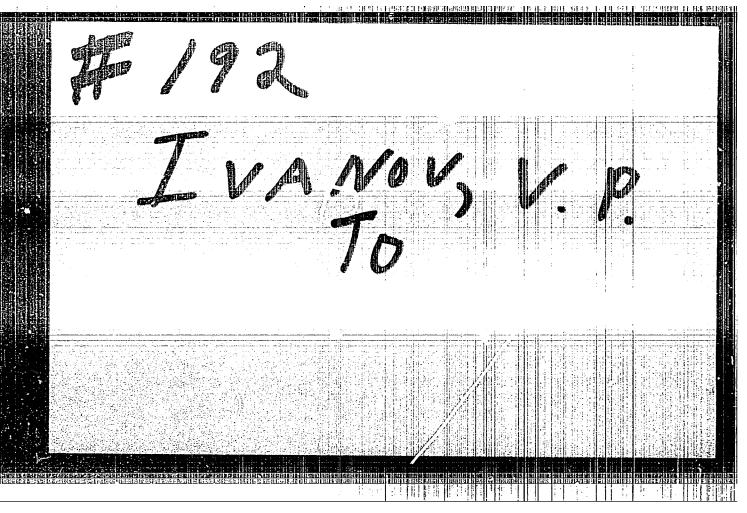
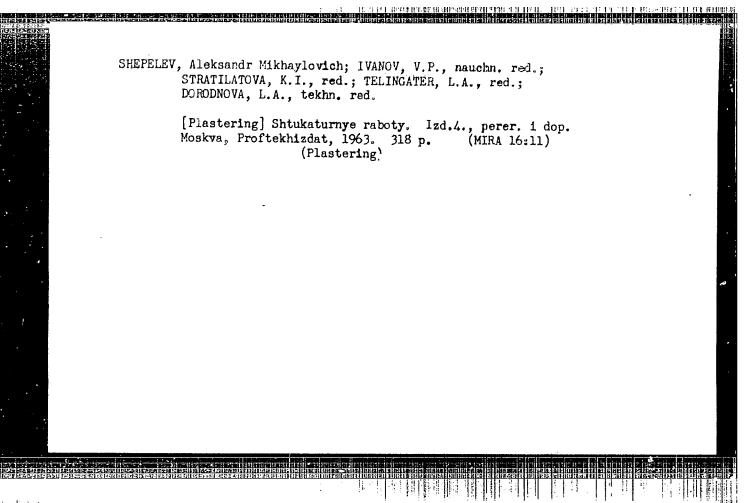


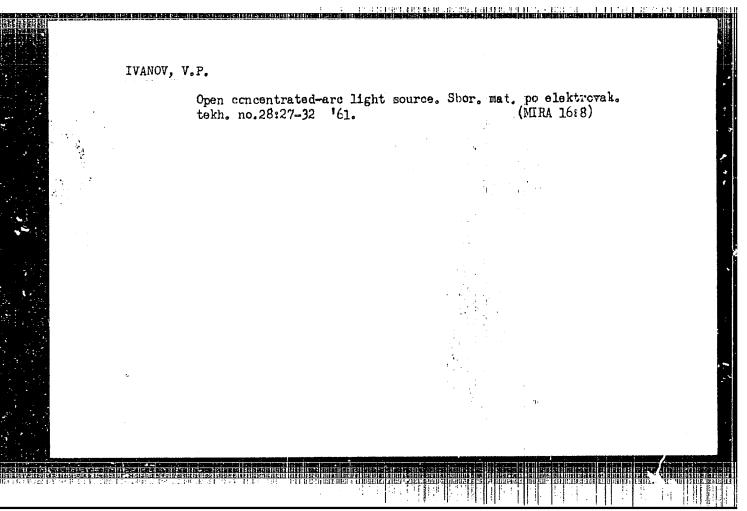
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VOLOSHCHUK, V.U.; TRIFONOVA, R.G.; ZVEREVA, Ye.V.; TARNAVSKIY, A.L.;
ASHURKINA, Ye.M.; IVANOV, V.P.

New developments in research. Stal' 23 no.9:858 S '63.
(MIRA 16:10)



MARKOV, G.S.; IVANOV, V.P.; NIKULIN, V.P.; CHERNOBAY, V.P.

Helminths of reptiles of the Volga Delta and the Caspian steppes.

Trudy Astr. zap. no.6:145-172 *62. (MIRA 16:7)

(Caspian Sea region-Worms, Intestinal and parasitic)
(Caspian Sea region-Parasites-Reptiles)

PARFENOV, A.I.; SHUL'TS, M.M.; KOCHERGINA, N.N.; IVANOV, V.P.; YEVNINA, S.B.; KALMYKOVA, L.P.; AGEYEVA, Ye.D.

Electrode properties and chemical stability of a number of multicomponent lithium silicate glasses. Vest. LGU 18 no.4: 163-166 '63. (MIRA 16:3) (Electrodes, Glass) (Lithium silicates) (Oxides)

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IVANOU, V.P.

137-1958-1-560

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 88 (USSR)

AUTHORS: Ivanov, V.P., Metlin, G.A.

TITLE: Vacuum-tight Bonding of Ceramics to Metals (Vakuumnoplotnyye spai keramicheskikh materialov s metallami)

PERIODICAL: Tr. N.-i. in-ta M-vo radiotekhn. prom-sti SSSR, 1957, Nr 5 (41), pp 3-51

ABSTRACT: This is a monograph on the employment of vacuum-tight bonding of ceramics to metals in high-frequency electronics and the manufacture of vacuum gauges for electrical uses. Four major types of ceramics are investigated: 1) magnesia silicates, 2) zirconium silicates, 3) aluminum silicates and aluminum oxides, and 4) wollastonite and modern high-temperature vacuum combinations thereof with metals. Existing methods of single-stage and multiple-step processes for producing bonds, including the carbide-boride method developed at the NII MRTP (Scientific Research Institute of the Ministry of the Radio-Engineering Industry) are adduced. Contemporary concepts in physical chemistry on the formation of bonds between between ceramics and metals are presented. In addition to a detailed survey of data in the literature,

137-1958-1-560

Vacuum-tight Bonding of Ceramics to Metals

the results of investigations performed at the NII MRTP on these problems (by the Authors, among others) are presented.

I.B.

1. Ceramics-Fonding to metals 2. Vacuum gages-Manufacture 3. Honding-Ceramics to metals-Chemical analysis

Card 2/2

14(5)

80V/93-58-12-4/16

AUTHOR:

Vadetskiy, Yu. V., Karimov, V.Kh., Grigor'yev, M.H., Ivanov, V.P.,

Il'yasov, Ye.P.

TITLE:

New Methods for the Elimination of Intense Flushing Fluid Absorption in Drilling (Novyye metody likvidatsii intensivnogo pogloshcheniya

promyvochnoy zhidkosti pri burenii skvazhin)

PERIODICAL: Neftyanoye khozyaystvo, 1958, Nr 12, pp 20-26 (USSR)

ABSTRACT: The Tatar oil workers in cooperation with the VNIIBT and TatNII Institutes developed successful methods for the elimination of intense flushing fluid absorption in drilling [Ref 1,2,3]. It was determined experimentally that a permeable stratum is best shut off by plugging the channels near the bore of the well and in the case of several permeable formations by plugging the lower stratum first and maintaining a dynamic balance in the well [Ref 4]. This is shown in the case of the Romashkino Oilfield (Fig 1). The negative effect of the upper strata on the cementing process can be minimized by withdrawing the fluid from the well after pumping in the cement slurry. The fluid can be removed either by air lift or by bailing. The calculations for the air lift [Ref

Card 1/3

New Methods for the Elimination (Cont.)

SOV/93-58-12-4/16

3,5,6] are made in seven steps, including the verification of the throughput of the air lift by means of Melikov's formula

 $q_{\text{maks}} = 13.4 \text{ F} \frac{h^{\text{m}} \text{din}}{L} \sqrt{d - 1.45 \text{ Fw}_{\text{g}} \left[a^{3} / \text{sec} \right]}$, where q_{maks} is the maximum fluid

through-put of the air lift, F - the area of the cross section of the annular, space, in sq m, L - the distance from the mouth of the well to the coupling,

 $k_{\delta^2n^2}$ the depth of the coupling below the dynamic level, created during the operation of KSE-3M compressors, d - the reduced diameter of the annular cross section, and $w_{\rm S}$ - the air velocity. The calculations are simplified by using special Tables 1-3. The bailing process is employed under the following condi-

tions, expressed by $q < \frac{60V}{tsr} \left[m^3/hr \right]$ and $T < \frac{t_{sr}}{60} \frac{R}{lsr}$, where q is the

fluid requiring bailing, V - the inside area of one drilling line, in m³, t_{sr} - the average time for lifting one drilling line, in minutes, T - the initial setting of the slurry, in hours, H - the depth at which the end of the drill pipe is set, and l_{sr} - the average length of the drilling line. These formulas were applied to a well drilled by a 6" EBSh rig. The Petroleum Institute of the

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New Methods for the Elimination (Cont.)

SOV/93-58-12-4/16

Academy of Sciences USSR determined experimentally that strata of extreme permeability and subject to caving can be shut off with the mid of auxiliary casing strings called "letuchki" (Fig 2). The above techniques for the elimination of flushing fluid absorption in drilling were successfully adopted by the Tatburneft' Trust. They conclude that the techniques for the elimination of fluid absorption must be adapted to the absorption intensity, that when permeability exceeds 100 cu m/hr the stratum be plugged with cement and a dynamic level maintained in the well, and that in cases of extreme permeability and cavitation the strata be shut off with auxiliary casing or bypassed by drilling new bore holes. There are 2 figures, 3 tables, and 6 Soviet references.

Card 3/3

THE FROM THE REPORT OF THE PROPERTY OF THE PRO

AUTHORS: Lazukov, N. A., Chelnokov, I. Ye.,

SOV/89-5-1-4/28

Ivanov, V. P.

TITLE:

Investigation at the Stand of the Experimental Nuclear Reactor VVR-S: (Issledovaniye na stende eksperimental nogo yadernogo

reaktora VVR-S)

PERIODICAL:

Atomnaya energiya, 1958, Vol. 5, Nr 1, pp. 44-51 (USSR)

ABSTRACT:

The present investigations of the VVR-S reactor were carried out for the purpose of ascertaining the neutron-physical parameters which are of importance in connection with the starting and operation of the reactor. The experiments were carried out at zero power and permit the following conclusions to be drawn:
The following are the parameters of the core of the reactor for

starting and operation:

a) The critical mass is attained by means of 25 fuel elements (3.2 kg U^235) . With a charge of 32 fuel caskets (4.1 kg U^235) the excess reactivity Δk in the reactor at the beginning of operation amounts to ~ 0,05. This is sufficient for xenon compensation, for the temperature effect, and for the modification

of reactivity which depends on the change of the quality of the

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Investigation at the Stand of the Experimental Nuclear Reactor VVR-S.

SOV/89-5-1-4/28

reflector during experiments. The maximum initial charge at which excess reactivity is fully compensated by the bringing in of all regulating rods is that of 38 fuel caskets (4.9 kg V^{235}). b) The compensating property Δ k of all regulating rods is about 0.07 and that of the safety rods is 0.06. The safety rods respond within about 0.3 sec.

- c) The temperature coefficient of the reactivity of the reactor is negative, and within the temperature range of $30-40^{\circ}$ C it amounts to $\frac{\triangle k}{\triangle +} \approx -1.10^{-4}/^{\circ}$ C.
- d) The "displacers" (vytesnitel') located on the periphery of the core (20 of them) reduce reactivity by about 0,01. The reduction of reactivity, if in the "displacers" (vytesnitel') materials are subjected to irradiation (production of radioactive isotopes), may attain a value of 0,01 and more.

e) From a power output of 0,3 kW onward, the automatic control device of the reactor operates reliably. Automatization can be attained also already from 5 W onwards providing that ionization

Card 2/3

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Investigation at the Stand of the Experimental

SOV/89-5-1-4/28

Nuclear Reactor VVR-S

chambers are used in the core as checking devices. There are 8 figures, 2 tables, and 3 references, 2 of which are Soviet.

SUBMITTED:

February 13, 1958

1. Reactors—Analysis 2. Reactors—Starting 3. Reactors—Operation

Card 3/3

CIA-RDP86-00513R000619210001-1 "APPROVED FOR RELEASE: 08/10/2001

5/147/61/000/004/019/021 E194/E155

26.4210 (2114)

Ivanov, V.P., Buzitskiy, V.N., and Zatkov, Yu.A. AUTHORS:

TITLE:

A pneumatic vibrator with stable excitation frequency

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,

Aviatsionnaya tekhnika, no.4, 1961, 144-146.

In laboratory tests on oscillatory systems the sources of oscillation are usually electro-dynamic, electromagnetic or mechanical vibrators, but it is sometimes convenient to use a pneumatic vibrator in which an air jet impinges on a rotating segmented disc. The principal limitation to the use of such devices is the difficulty of maintaining constant motor speed with the direct current motors that are commonly used. The equipment described here is simple and of good speed stability. The essential point is that the disc is driven by a convertor type MA -250 (MA-250) which consists of a combined d.c. motor and a.c. generator. Under certain conditions the a.c. generator can run as a synchronous motor with very stable speed. The principle is that the disc is run up to speed with the d.c. motor obtaining supply from a rectifier. The a.c. Card 1/3

A pneumatic vibrator with stable ... 5/147/61/000/004/019/021 E194/E155

supply is obtained from an audio-frequency generator operating through an amplifier which can give sufficient power to hold the motor in step once it has been run up to speed. A signal lamp is provided to show when synchronous conditions have been reached. The impulse frequency range that can be obtained naturally depends on the motor speed range and the number of segments on the disc and the force of the air pulses depends on the available supply; however, equipment has been built with the motor speed range of 3000-15000 r.p.m. which, by altering the discs, can give a frequency range of 50-5000 c/s. The maximum pressure in the air main is 6 kg/cm² and the air flow at this pressure at a temperature of 288° absolute is about 0.02 kg/second; the diameter of the critical section of the nozzle is 4 mm and the static reaction of the jet at the pressure of 6 kg/cm2 is about 1.5 kg. A rig has been built with two vibrators which can easily be arranged to give impulses differing in phase from 0 to 5600 by rotating one of the stators; in principle more oscillators can be used to study more complex conditions. There are 2 figures. Card 2/3

- 1. IVANOV, V.P.
- 2. USSR (600)
- 4. Weed Control
- 7. "Scientific Measures in weed control" G.A. Chesaliv Reviewed by V.P. Ivanov, Sov. agron, 10, No.12, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

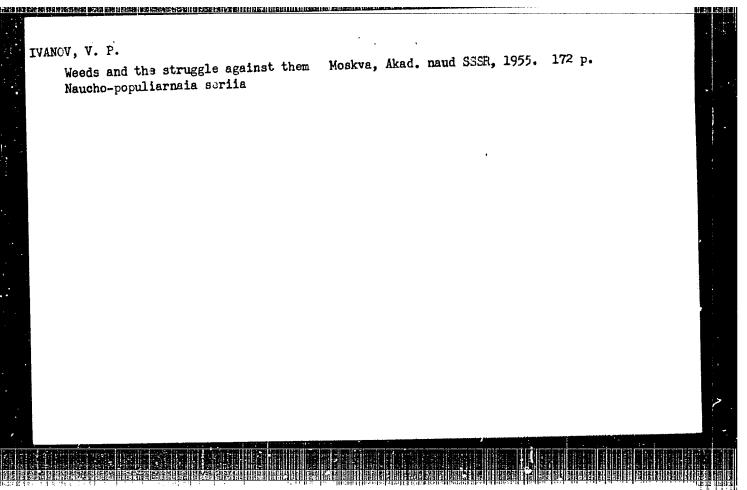
PRYANISHNIKOV, D.N., akademik, 1865-1943; KEDROV-XIKHMAN, O.K., akademik, redaktor; PFEERBURGSKIY, A.V., dotsent; LGVINOVA, Z.V., dotsent; IVANOV, V.P., redaktor; PEDOTOVA, A.F., tekhnicheskiy redaktor.

[Selected works in three volumes] Isbranuye sochineniia v trekh tomakh. Vol. 3. [Agricultural chimistry] Khimisatsiia sel'skogo khozlaistva, Moskva, Gos. izd-vo selkhoz. lit-ry, 1953. 686 p.

(Agricultural chemistry)

(MEA 7:11)

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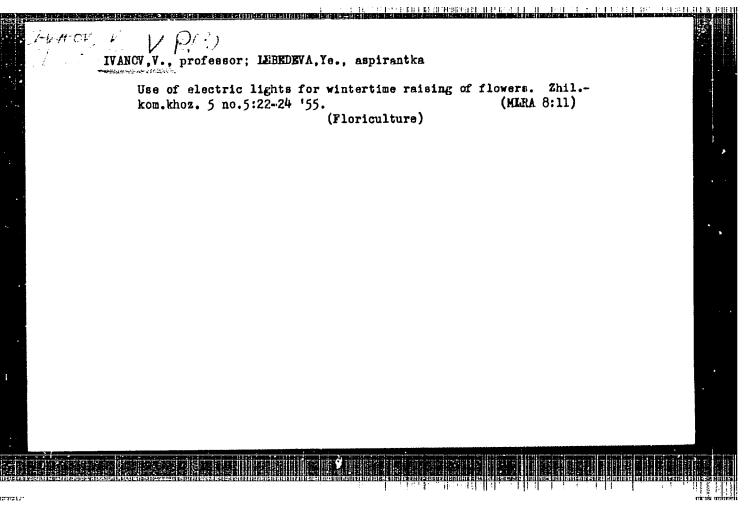
TVANCV V.P., akademik, redaktor; IVANOV, V.P., redaktor izdatel'stva; SIMKINA, Ye.N., tekhnicheskiy redaktor

[Selected works] Izbrennye sochimeniia. Red. V.P. Bushinskogo.
Noskva, Izd-vo Akad. mauk SSSR. Vol. 3. [Scientific principles of meadom management (1922-1933)] Nauchnye osnovy lugovodutva (1922-1933)

1955. 1007 p. (NLRA 10:4)

1. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh mauk imeni V.I. Ienima, chlenkorrespondent Akadomii mauk SSSR. (for Bushinskiy)

(Pastures and meadows)



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PETINOV, N.S., professor, otvetstvennyy redaktor; ASTAPOV, S.V., professor, otvetstvennyy redaktor; IVANOV, V.P., redaktor izdatel'stva; KISELEVA, A.A., tekhnicheskiy redaktor

[Irrigation of agricultural crops in the central Chernomem region of the R.S.F.S.R.; a collection of papers].Oroshenie sel'skokhoziaistvonnykh kul'tur v tsentral'no-chernozemnoi polose RSFSR; sbornik rabot. Moskva, No.2. 1956. 410 p. (MLRA 9:11)

1. Akademiya nauk SSSR. Institut fiziologii rastenif. (Chermozem soils--Irrigation farming)

IVANCE, V.P Unit Clare Thirst both Consthesis Devel Stone. Ales Jour : Her blan - Side , No b, 1758, 196 3 Author : Tolther No. ., France V.D. Thol 型性制度 . : The Thermore of a martenet of fat boy in the Semain Abou And of the fact of a first transfer the reconstitution of the Transfer Santa 11:195 : 2 11:1: n sepentia (57, 5, 4, 5, 7) - 2-The whele : Prenth of Lybrid corn of method-elythel vertextes of r-3 and B-271 polar to transplantation in the field were notsed in pote filled with pear-human and were subjected to short-days action for 12-23 bys in 1955 emperiments and up to 38 days in experimenso in 1956. The short day light action accelerated the coming of sittle vetoument phases by 6-2 days. There we if the action partial from 13 to 13 drys and to even prester acceleration of development (by 22-43 days), necomposited, however, by a considerable Oniol /2 Just Plant Physiciagn

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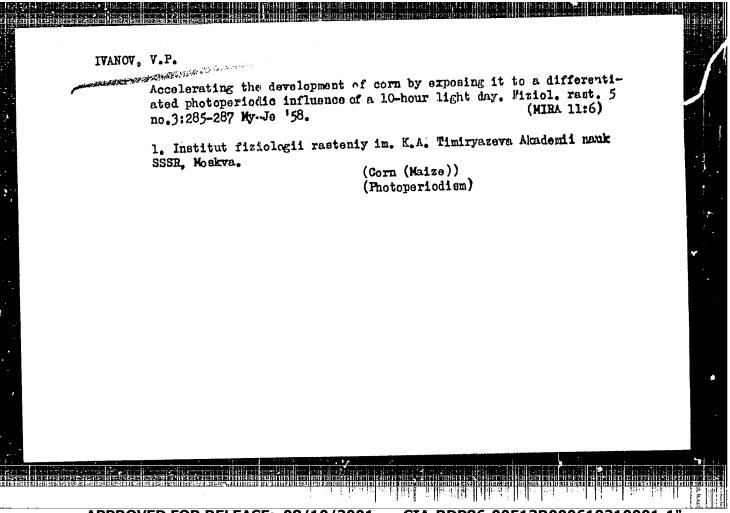
COLANDICAT Threshology - Genetic and severagement.

The Jury : Her than - Blot., N. 4, 2,50, 1970

decrease in growth. The above day fell to an increase in weight and in the number of robs. Late-righting varieties of corn-Oterling in Harander No 1/49-reacted to short days light less than medium-righting. Under the influence of a short day the sucking force of the cells, she concentration of the cell fluid, the compute pressure and the quantity of the water in combination increased; the content of free water was markedly lower. According to the suthors, the occeleration of the cern development in shorter days was due to a reduction in water caturation of the cells. This work was carried out in the Institute of Plant Physiology of the Academy of Telences of the Union of Havles Occination Acquibility.

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	velopment of corn. Fiziol.rast. 6 no.3:358-361 1. K.A.Timiryazev Institute of Plant Physiology.	Effect of foliar feeding and soil moisture on the growth and development of corn. Fiziol.rast. 6 no.3:358-361 My Je '59. (MIEA 12:8) 1. K.A.Timiryazev Institute of Plant Physiology, the U.S.S.R. Academy of Sciences, Moscow. (Corn (Maise)Fertilizers and manures) (Soil moisture)

PAVLOV, A.N.; IVANOV, V.P.; RAZUVAYEVA, V.I.

Foliar foeding of corn with urea at different developmental stages of the plant. Fiziol.rast. 8 no.5:596-600 '61. (MIRA 14:10)

1. Timiriazev Institute of Flant Physiology, U.S.S.R. Academy of Sciences, Moscow.

(Corn (Maize)) (Urea)

IVANOV, V.P.; YAKOBSON, G.A.; FOMENKO, B.S.

Mutual influence between corn and broad beans through their aerial organs. Fiziol. rast. 10 no.41447-457 Jl-Ag '63.

(MTRA 16t8)

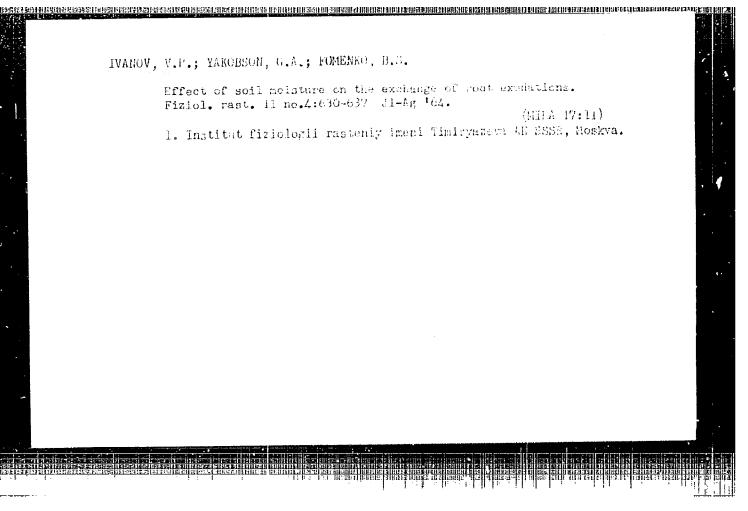
1. Timiriazev Institute of Plant Physiology, U.S.S.R.

Academy of Sciences, Moscow.

IVANOV, V.P.

Is the autointoxication of plants by root excretions possible?
Dokl. AN SSSR 149 no.6:1446-1449 Ap '63. (:IRA 16:7)

1. Institut fiziologii rasteniy im. K.A. Timiryazeva AN SSSM.
Predstavleno akademikom A.L. Kursanovym.
(Roots (Botany)) (Allelopathy)

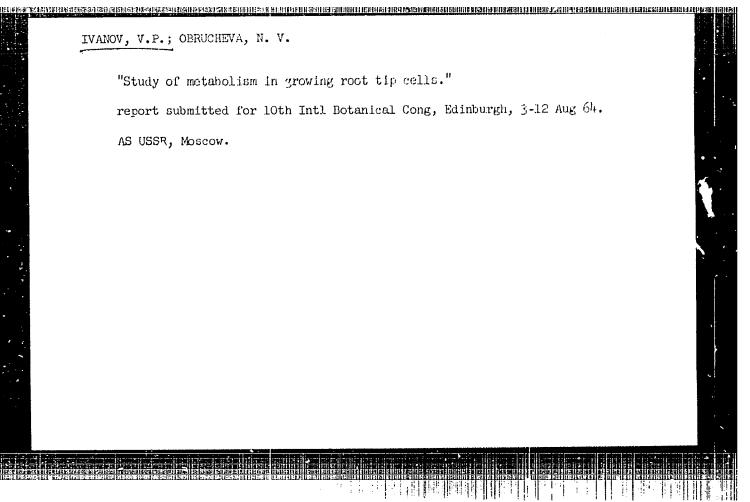


TVANOV, V. P.; YAKOSSON, G. A.

"On the mutual effects in plant communities through root exerctions."

report submitted for 10th Intl Botanical Cong, Edinburgh, 3-12 Aug 64.

AS USSK, Moscow.



BUDAGOV, A.A., dotsent; IVANOV, V.P., aspirant

Studying a pneumatic sowing apparatus at increased speeds.

Trakt. 1 sel'khozmash. no.12:19-20 D '65.

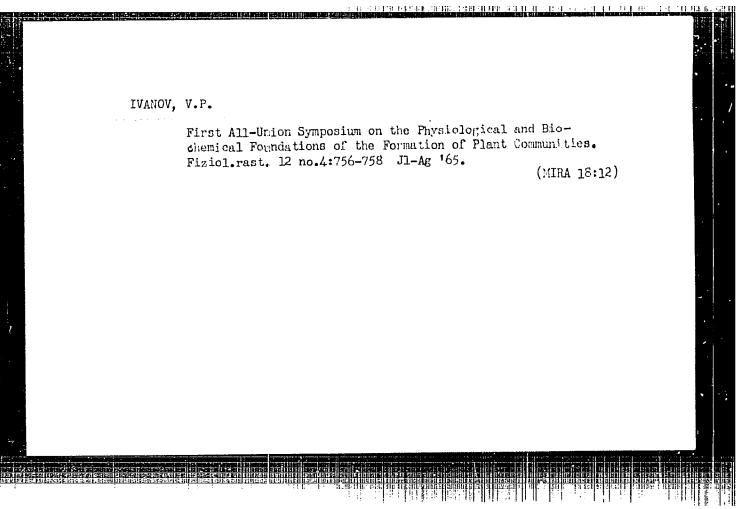
(MIRA 18:12)

1. Kubanskiy sel'skokhozyaystvennyy institut.

IVANOV, V.P.; YAKGENON, G.A.

Metabolite exchange in plants through aerial organs. Fiziol.
rast. 12 no.3:405-411 My-Je '65. (MIRA 18:10)

1. Institut fiziologii rasteniy imeni K.A. Timiryazeva AN SSSR,
Moskva.



L 11620-66 ACC NR. AP6001737 UR/0020/65/165/004/0947/0950 SOURCE CODE: 22 AUTHOR: Ivanov, V. P. 13 Institute of Plant Physiology im. K. A. Timinyazav of the Academy of Sciences SSSR (Institut fiziologii rasteniy Akademii nauk SSSR) TITLE: Role of soil microorganisms in higher plant reciprocal exchanges of root secretions SOURCE: AM SSSR. Doklady, v. 165, no. 4, 1965, 947-950 TOPIC TAGS: tracer study, soil bacteriology, plant chemistry, plant metabolism ABSTRACT: During 1963-64 tracer studies were conducted on corn plants (Bukovinskaya 3) to determine whether reciprocal exchange of root secretions between plants can take place without participation of microorganisms and also to determine the role of the latter in the process. Pairs of corn plants were grown in nutritive media under sterile and nonsterile conditions. When the plants reached the 6-leaf stage, one of each pair received supplementary feeding in the form of C1402 through a special apparatus constructed by Yu. I. Novitskiy. The plants fed with C1402 served as donors and the other plants served as Card 1/2 VDC: 581.524.1:58.071

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5/120/60/000/01/025/051

AUTHORS:

Ivanov, V.P. and Marshak, I.S. E192/E382

TITLE:

A New Pulse Tube, Type IFK15-14 With a Condenserless

Supply

PERIODICAL:

Pribory i tekhnika eksperimenta, 1960, Nr 1,

pp 92 - 94 (USSR)

ABSTRACT:

The tube described is illustrated diagrammatically in Figure 2. It consists of the following currentcarrying electrodes: the cathods A; two anodes and Δ . The tube is fitted with a gas-discharge tube furnished with two ignition electrodes, which are situated

in the vicinity of the cathode and three intermediate

electrodes, one of which is situated between the

cathode A and the first anode, T; the two remaining intermediate electrodes are situated between the first and the second anodes. The intermediate electrodes are connected to each other and to the anodes through suitable resistances, which are formed by several turns

of nichrome wire wound on the discharge tube. The

circuit employed for the operation of the tube from the AC mains of 127 V is shown in Figure 3. The circuit

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69085 S/120/60/000/01/025/051 A New Pulse Tube, Type IFK15-1, With a Condenseriess Supply

> can also be used at the mains voltage of 220 V. operation of this circuit is as follows. When the voltage is applied to the system, the condenser C is charged through the rectifier. If the gap 5 - B (Figure 2) is not ionised, the condenser voltage is insufficient to break down the gap A - D . However, if the operating switch of Figure 3 is closed, a potential difference appears between the electrodes B and B. If at some time an additional positive voltage is applied to the electrodes, the gas is ionised and an intense discharge is produced in the A - B gap. This, in turn, produces the breakdown of the cathode-anode gap, where the discharge current can be as high as 100 A. The discharge continues during one-fourth of the period of the mains frequency. The discharge is extinguished shortly before the mains voltage passes through zero and does not appear again until the capacitor C is sufficiently charged and the contacts CK are closed. The interval

Card2/3

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A New Pulse, Type IFK15-1, With A Condenserless Supply

between the successive operations of the tube should not be less than 10 sec in order to prevent overheating of the tube. The tube can be employed in the photographic work, where pulsed illumination is required and the synchronisation is not particularly important. There are 5 figures, 1 table and 3 references, 2 of which are Soviet and 1 German.

SUBMITTED: November 29, 1958

Card 3/3

21.6000

27702 S/120/61/000/003/012/041 E202/E135

AUTHORS:

Sidorenko, V.V., Ivanov, V.P., and Yershov, N.A.

TITLE:

Universal recording dosimeter

PERIODICAL: Pribory i tekhnika eksperimenta, 1961, No.3, pp. 78-81

A particularly robust and economical, transistorized gamma-dosimeter is described. This instrument is designed specially for the continuous monitoring of radioactivity in the sewers and other not easily accessible ducts. The probe which houses one or two G.M. tubes is made of chromium plated steel tube but may also be made of plexiglass if the beta count is required. A cable, which in some cases may be over 100 m long, joins the probe with the box housing the energising, amplifying and registering circuits. The dosimeter registers within the range of 0.002-200 r/hr. In the case of using a thin-walled probe which is intended for a maximum working depth of 20 m, a sensitivity of O.2 mr/hr is claimed. The negative impulses from the G.M. tubes are amplified in a two-stage voltage amplifier followed by a normalizing circuit of a blocking generator. The standard instrument carries a microammeter but provision is made for the Card 1/2

Universal recording dosimeter

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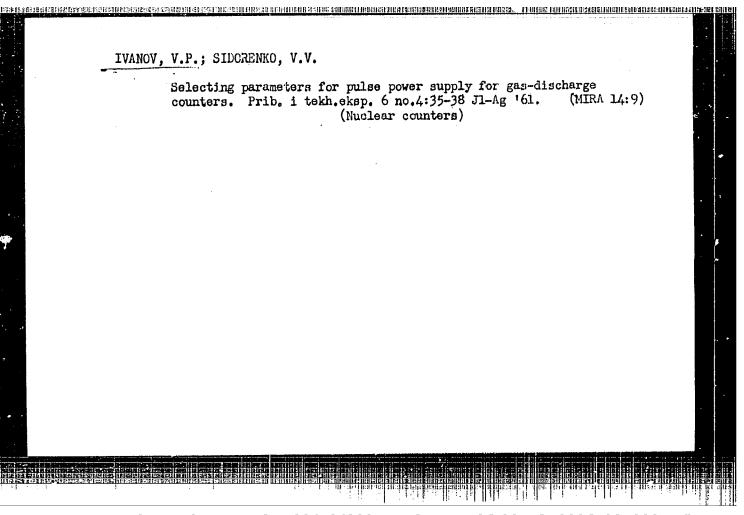
inclusion of a self-recording instrument. The total power requirements are approximately 150 mw, which with the standard two supplying batteries of 18 v each, gives a working life of about 400 hours.

There are 4 figures.

SUBMITTED: June 22, 1960

THE CONTROL OF THE PROPERTY OF

Card 2/2



S/120/62/000/002/011/047 E039/E520

- 夕たくり000 AUTHORS:

Sidorenko, V.V., Ivanov, V.P. and Minin, K.F.

TITLE:

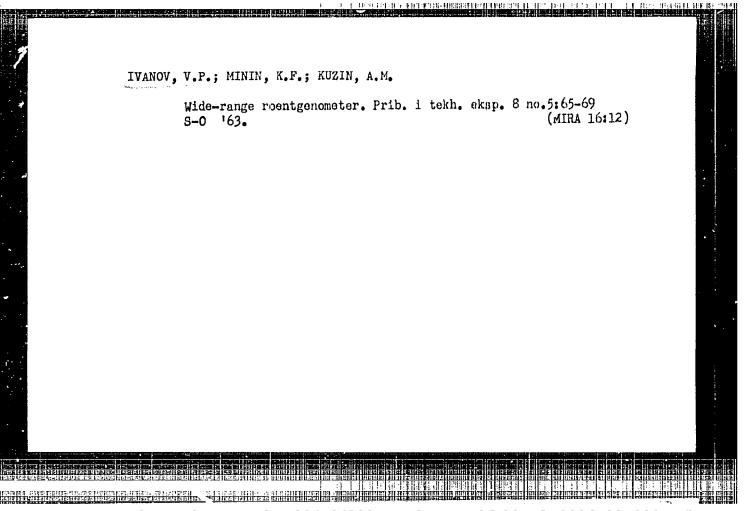
A gamma-dosimeter with a gas multiplication counter

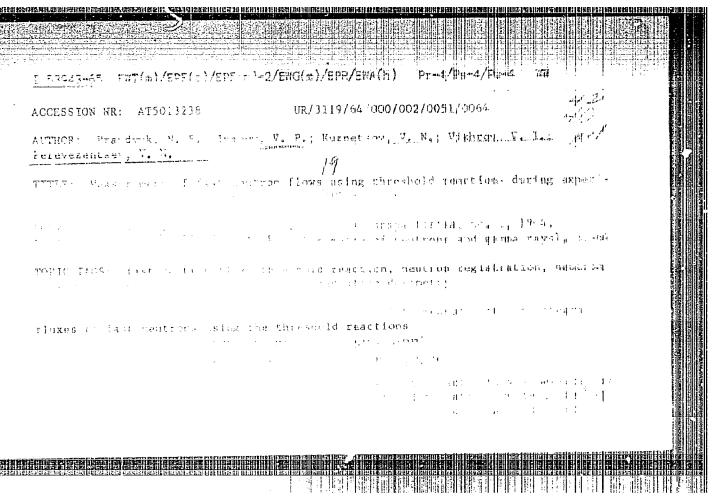
and a pulsed supply system

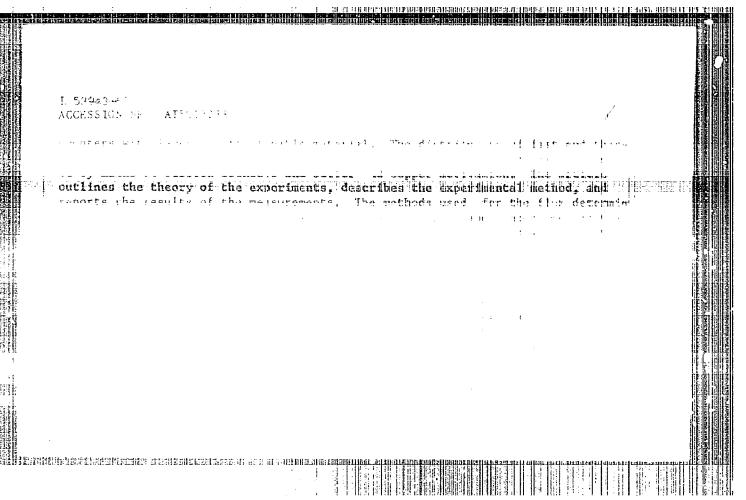
PERIODICAL: Pribory i tekhnika eksperimenta, no.2, 1962, 55-58

TEXT: This instrument fills the need for a single detector to cover a wide range of dose rates (0.05 to 1000 r/hr). The probe unit contains a gas multiplication counter in 367 (SI-38G) and blocking generator (6167 (6P15P) in an aluminium cylinder (65 mm diameter and 260 mm high; weight 620 g). The control u t, dimensions 180 x 145 x 205 mm, weighs 3 kg and uses a C6-1M/100 (SB-1M/100) electromechanical counter. A calibration obtained for dose rates up to 1200 r/hr with a Co source showed that the indicated dose agreed with the calculated value to ±5%. The sensitivity is not less than 0.05 r/hr. For changes of ±10% in the supply voltage the readings change by not more than ±4%. There is practically no background count-rate. For temperature changes of ±50 to -40°C the readings change by not more than ±5%. The probe can be used at distances of up to 50 m from the control

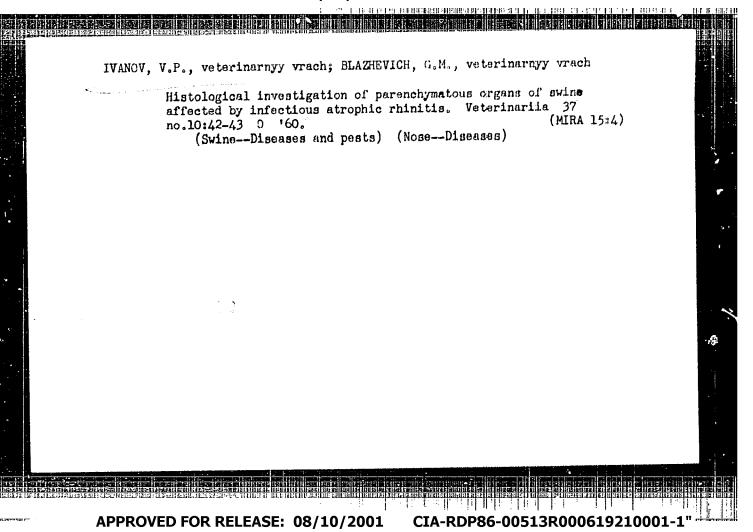
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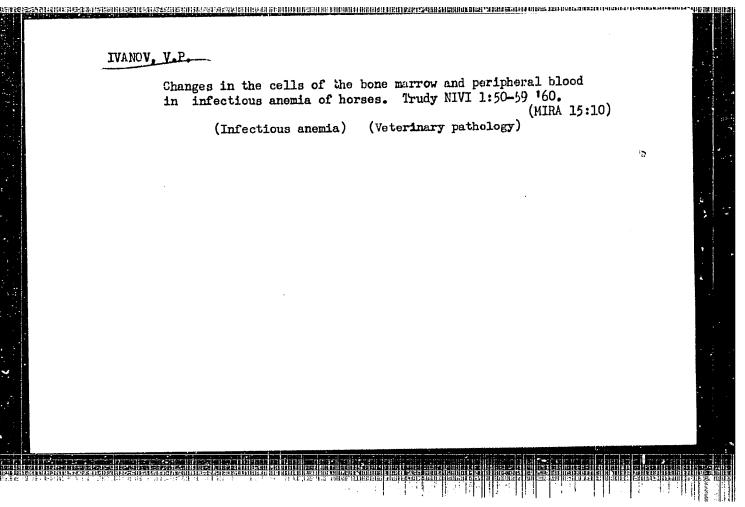


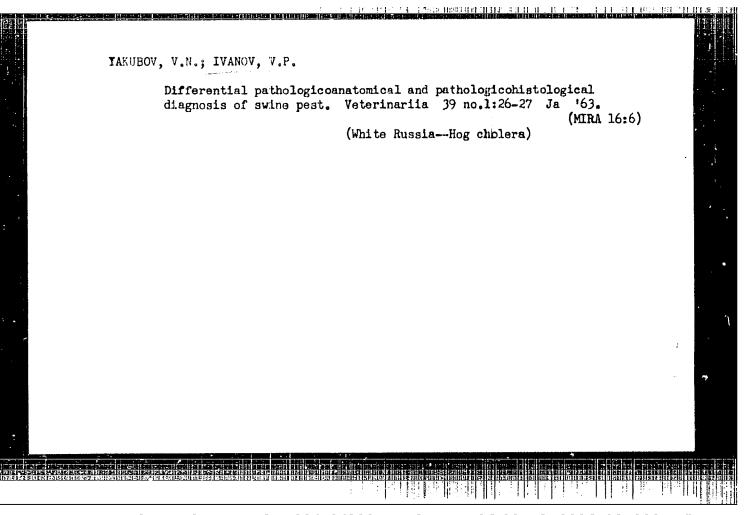


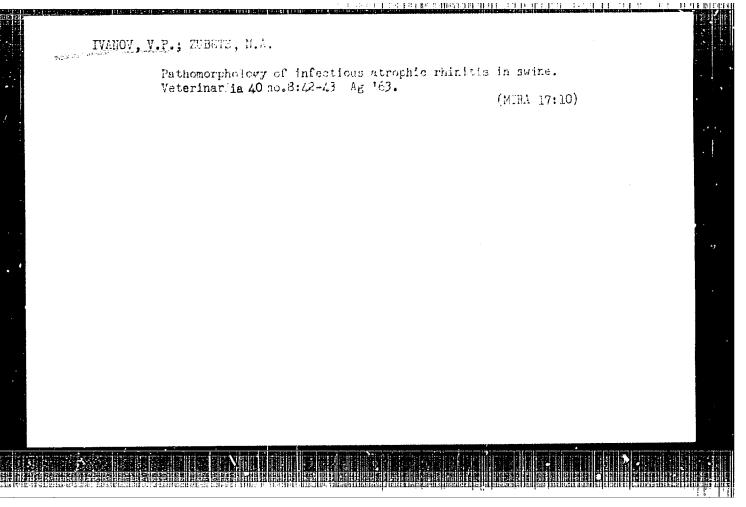


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MARKOV, C.S.; IVANOV, V.P.; KRYUCHKOV, B.P.; IJIK'YANOVA, Zh.F.;
NIKULIN, V.P.; CHERNOBAY, V.F.

Protozoans and ticks parasitizing on reptiles on the Caspian Sea region. Uch. zap. Volg. gos. ped. inst. no.16:106-110 '64. (MTA 19:1)

1. Kafedra zoologii Volgogradskogo gosudarstvennogo pedagogi-cheskogo instituta.

IOGANZEN, B.G.; IVANOV, V.P.

A conference on the problems of intraspecific relations of organisms. Usp. sovr. biol. 55 no.2:316-318 163.

(MIRA 17:8)

IVANOV, V.P.; LIVSHITS, N.D.; LIPOVOY, A.I.

Efficient design of rod bolting for the Mirgalinsay Mine.
Gor. zhur. no.10:50-53 0 '61. (MIRA 15:2)

1. Mirgalimsayskiy rudnik, g. Kentau.
(Kentau region-Mine roof bolting)

IVANOV, V.P., mekhanik gruppy po vnedreniyu novoy tekhniki; LIPOVOI, A.I., starshiy inzh. po ratsionalizatsii

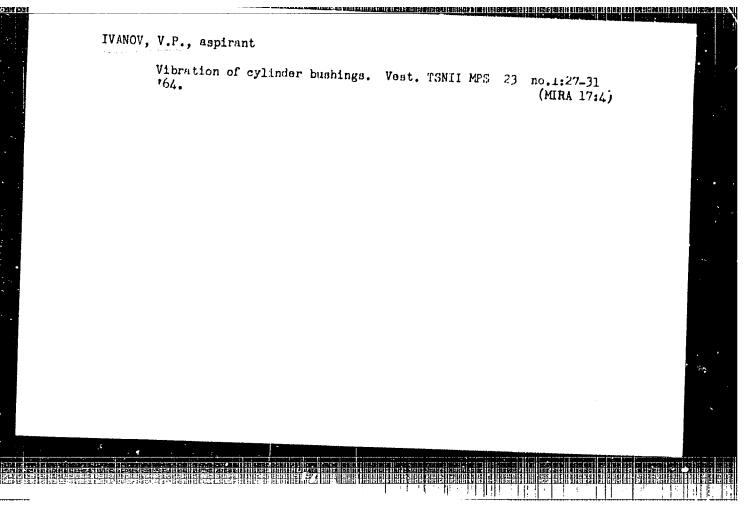
Reinforced concrete rod bolting. Gor. zhur. no.3:33-35 Mr ¹⁶².

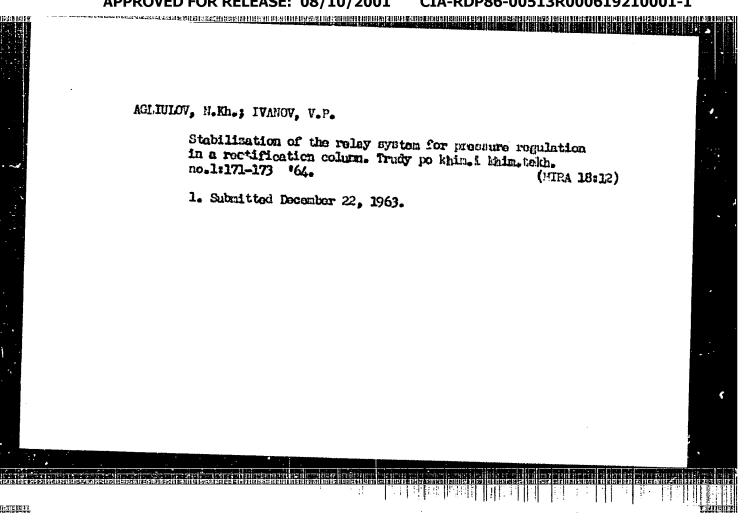
(MIRA 15:7)

1. Mirgalimsayskiy rudnik.

(Mirgalimsay region--Mine roof bolting)

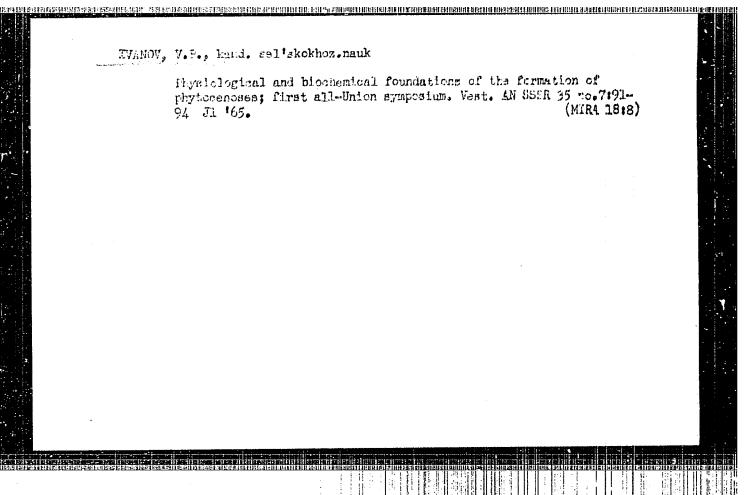
(Reinforced concrete construction)





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ACC NR: AR6034732 SOURCE CODE: UR/0124/66/000/008/V052/V052	16	,	
AUTHOR: Ivanov, V. P.; Buzitskiy, V. N.			
TITLE: Estimation of resonance stresses in a packet of blades with free wire binding			*
SOURCE: Ref. zh. Mekhanike, Abs. 8V421			
REF SOURCE: Tr. Kuybyshevsk. aviats. in-t, vyp. 19, 1965, 31-40			
TÓPIC TAGS: metal blade, vibration damping, internal friction, stress, resonance stress			
ABSTRACT: The authors have investigated the possibility of estimating approximately the vibration damping of bending oscillations of individual blades and a of blades caused by the friction at points of contact between the blade and the	ci- packet	•	•
damping wire. The problem is solved with the aid of the balance of work of the exciting forces; the forces of internal friction in the blade material, and the Coulomb friction at points of contact between the wire and blade. A condition is		<u> </u>	
obtained for movement of placing the packet of blades with respect to the wire. V. I. Olimpiyev. [Translation of abstract]			
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BRONSHTEYN, A.A., IVANOV, V.P.

Electron microscopic study of the olfactory organ in lamprey, Zhur. evol. blokhim. i fiziol. 1 no.3:251-261 My-Je '65. (MIRA 18:7)

1. Laboratoriya evolyutsionnoy morfologii Instituta evolyutsionnoy fiziologii i blokhimii imeni Secnenova AN SSSR, Leningrad.

KAMALOV, K.; VISHIYAKOVA, A.A.; IVANOV, V.P.; NABITEV, M.N.; SALDVSKIY, K.D.; ROZENOVICH, V.A.; KALMANOVICH, L.A.

Development of the production technology for ammoniated superphosphate on the basis of a granulation equipment. Umb.khim. zhur. 9 no.1:58-61 '65. (MIRA 18:6)

1. Institut khimii AN Uzbekskoy SSR.

IVANOV, V.F., aspirant

The IIB2 mobils veterinary X-ray apparatus. Veterinariis 41 no.1:97-58 Ja '65. (MIRA 18:2)

1. Omskiy veterinarnyy institut.

STOREGO DE CONTROL MATERIA DE LA CONTROL DE

IVANOV, V.P., aspirant

Roentgc.:pgraphy of the knee joint in cattle. Veterinariia 41 no.3:70-71 Mr 165. (MIRA 18:4)

1. Omskiy veterinarnyy institut.

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IVANOV, V.P.; YAKOBSON, G.V.

Role of root excretions in plant matrition. Agrokhimila no.4:96-107 Ap *64. (MIRA 17:10)

1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSE, Moskva.

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[Handbook on maintenance of apartment houses] Rukcvodstvo po tekhnicheskoi ekspluatatsii zhilykh zdanii. Moskva, Stroiizdat. Pt.2. 1965. 291 p. (MIRA 18:7)

KHALACHEV, V.I.; 1VAHOV, V.P.; EMANUILOV, E.G.

Experimental detarmination of optimum values in the resistances of electroaccustic transformers of the MB-type telephone apparatus. Godinbrik mash elekt 13 no.2:131-140 '63 [pabl. '64]

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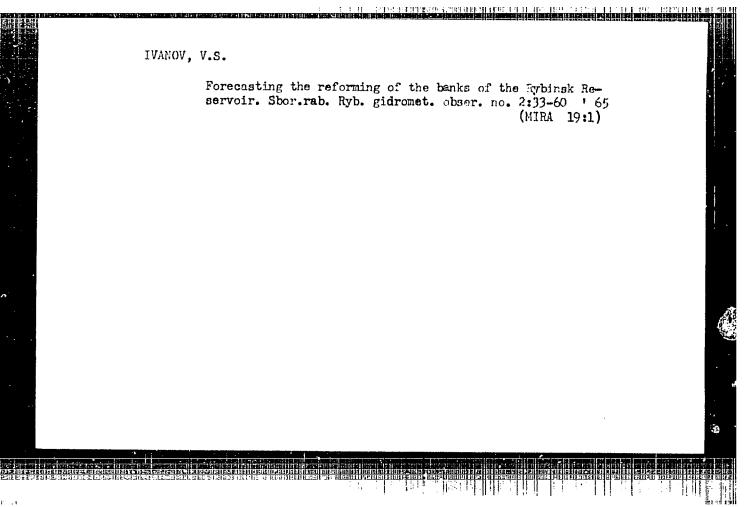
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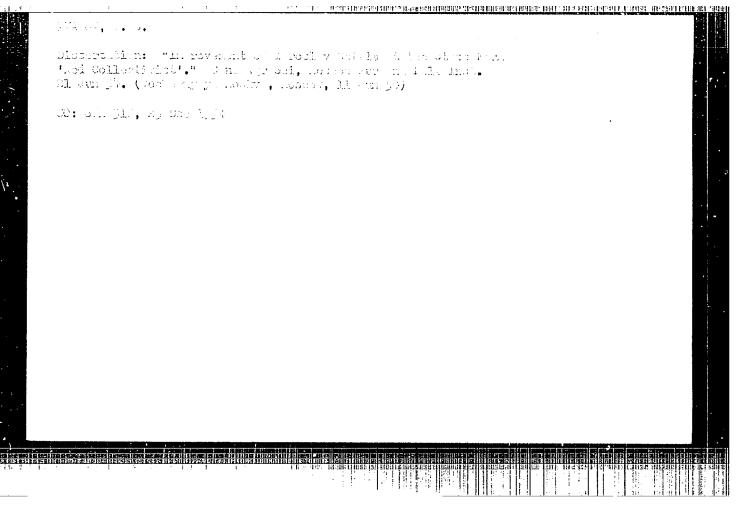
1. TSentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva nechernozemnoy SSSR.

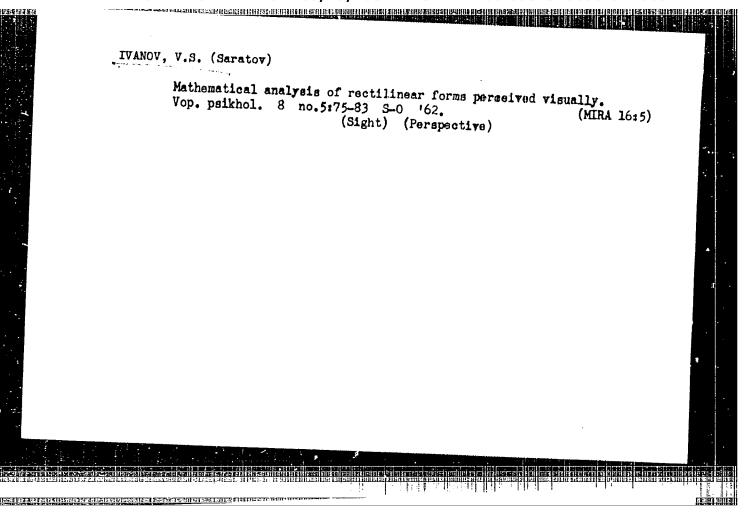
BELOTSERKOVSKY, O. M.,; COLOMAZOV, M. M.; DUSHIN, V. K.; IVANOV, V. R. (Moscow)

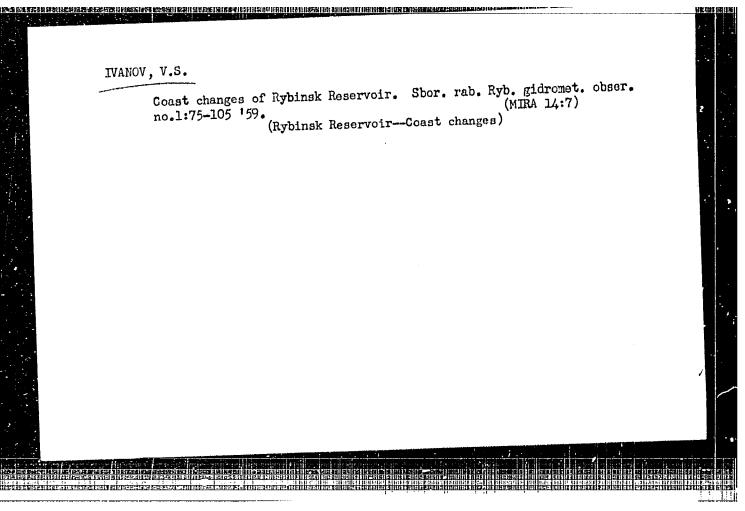
"Supersonic ges flow around blunt hodies"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 1964.







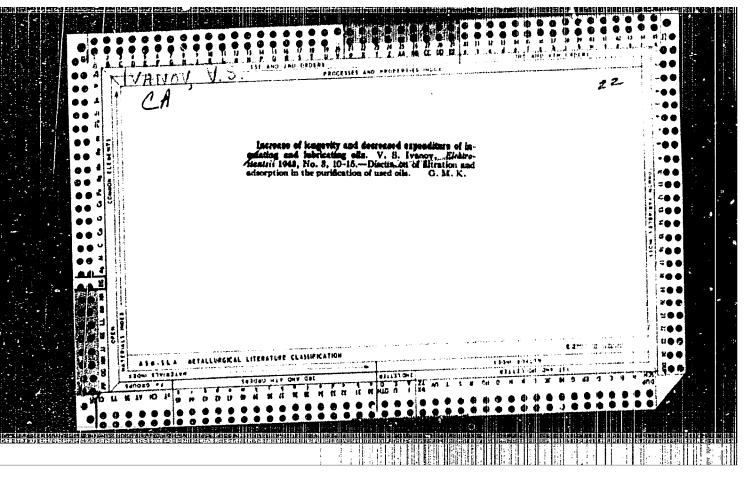


BABSKIY, Ye.B.; IVANOV, V.S.; NIKISHIN, G.V.

Use of cardiocyclography in physiological and clinical investigations. Kardiologiia 2 no.6:77-81 N-D:62. (MIRA 17:8)

1. Iz laboratorii klinicheskoy fiziologii (zav. - akademik AN UkrSSR Ye.B. Babskiy) Instituta normal'noy i patologicheskoy fiziologii ANN SSSR.

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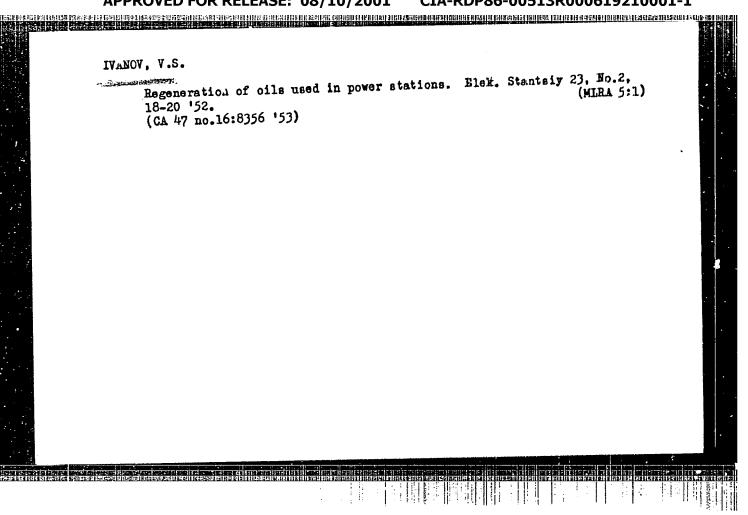
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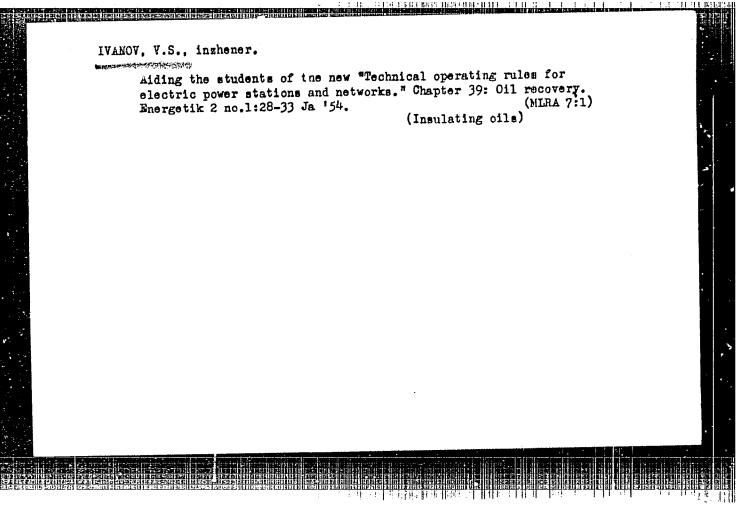
O'll rec'amation by using granulated absorbers. (Moskva) Gostoptekhizdat, 1945,
37 p. (51-15765)

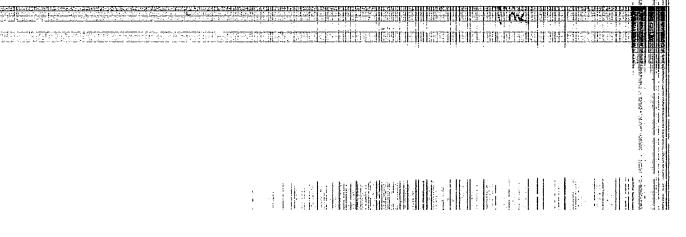
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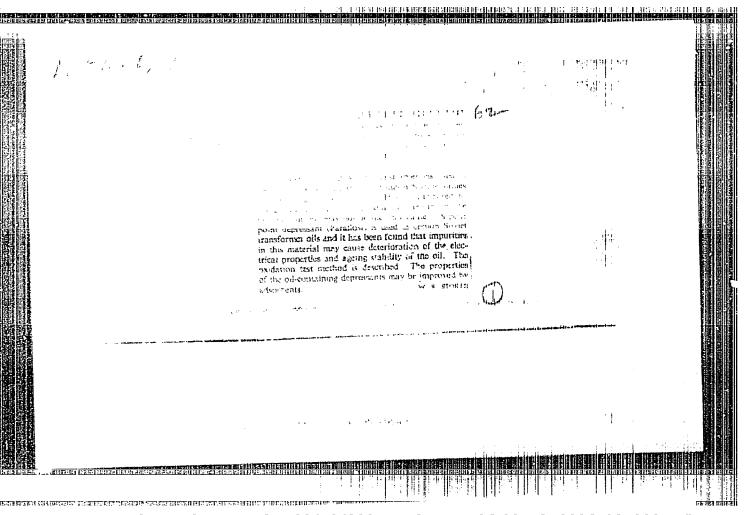
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IVANOV, V.S.

PHASE I BOOK EXPLOITATION

577

Ivanov, V.S., and Fridman, S.M.

Masla i konsistentnyye smazki (Oils and Heavy Lubricants) Moscow, Gosenergoizdat, 1957. 248 p. 10,000 copies printed (Series [title of set]: Spravochnik khimika-energetika, t. 3)

Ed.: Gurvich, S.M.; Tech. Ed.: Fridkin, A.M.; Eds. (of set):
Golubtsov, V.A.; Gurvich, S.M.; Kostrikin, Yu. M. and Mamet, A.P.

PURPOSE: This manual prepared for the use of chemists and power engineers. It may also be used by workers in laboratories, scientific research institutes, and designing and planning organizations, and by students at vuzes and tekhnikums.

COVERAGE: The authors present a detailed study of the physical and chemical characteristics and properties of oils and greases. They also cover in detail the purpose of lubricants, their specifications as required for use at electric power stations, and methods for assuring that these specifications are observed. Seventeen authors contributed to the compilation of this manual. The bibliography contains 86 references, all of which are Soviet. Card 1/4

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AVAILABLE: Library of Congress (TJ260.S7) BK/1sb Card 4/4 2 September 1958	•

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PHASE I BOOK EXPLOITATION

SOV/2736

Ivanov, V. S.

Stabilizatsiya i vosstanovleniye energeticheskikh masel (Stabilizing and Reclaiming Power Machinery Oils) Moscow, Gosenergoindat, 1958. 26 p. (Series: Iz opyta sovetskoy energetik. 6,150 copies printed.

Sponsoring Agencies: USSR. Ministerstvo elektrostantsiy, and Gosudarstvennyy trest po organizatsii i ratsionalizatsii rayonnykh elektricheskikh stantsiy i setey (ORGRES). Byuro tekhnicheskoy informatsii.

Eds.: Z. P. Slugina, Engineer; Ye. V. Voznesenskaya, Engineer; and I. I. Bronshteyn; Tech. Ed.: N. I. Borunov.

PURPOSE: This book is intended for engineers and technicians investigating problems of stabilizing and reclaiming oils used in turbines, transformers, and other power plant equipment.

COVERAGE: Problems connected with the use of oils employed in power plant equipment such as generators, turbines, and transformers are discussed. Possible method of lengthening the period of oil service which has been shortened by modern power plant equipment operating at high temperature and pressure are examined. Oxidation of transformer and turbine oil and the process of re-

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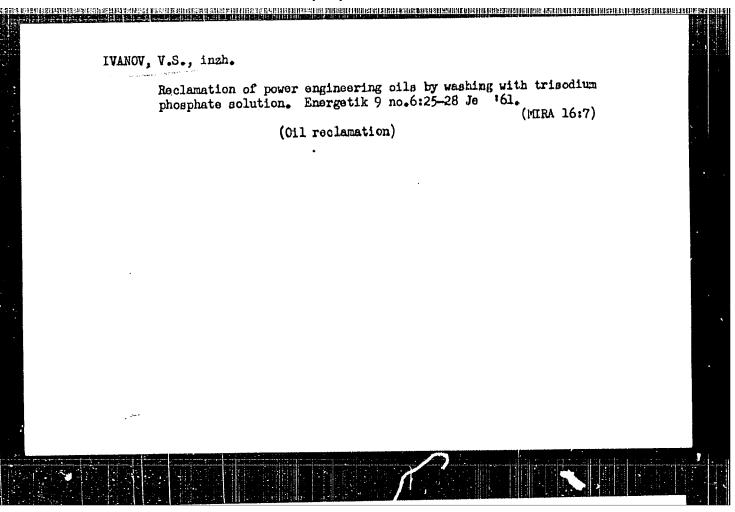
SOV/2736 Stabilizing and Reclaiming (Cont.) claiming and stabilizing it are reviewed, and the use of antioxidants and thermosiphon filters is discussed and illustrated by graphs. Designs of filters and apparatus used for testing the stability of power machine oil are reproduced, and their operation explained. Results of oil reclaiming tests are shown in tables and diagrams. In conclusion several suggestions are made for improving the quality of power machinery oil, and extending the length of its service. No personalities are mentioned. There are 39 references, all Soviet. TABLE OF CONTENTS: 3 1. Operational Conditions of Power Machinery Oils 2. Restoration of Dielectric Properties of Transformer Oil With Increased Tangent of Dielectric Loss Angle 3. Reclaiming Spent Power Machinery Oil Drained From Equipment 4. Antioxidants for Power Machinery Oils Card 2/3

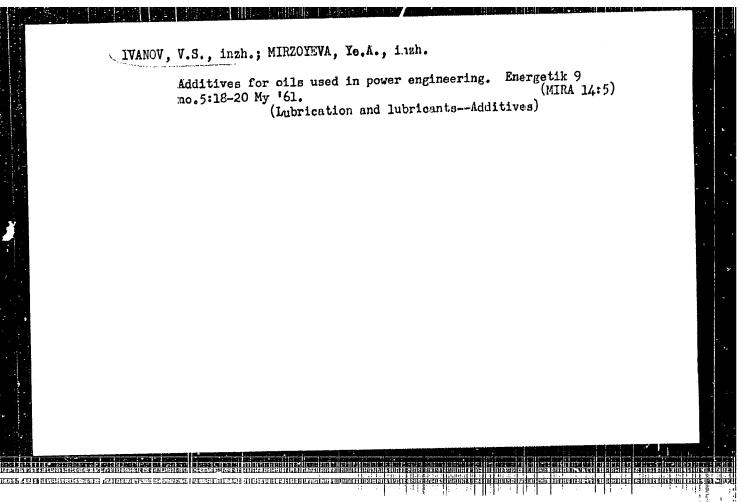
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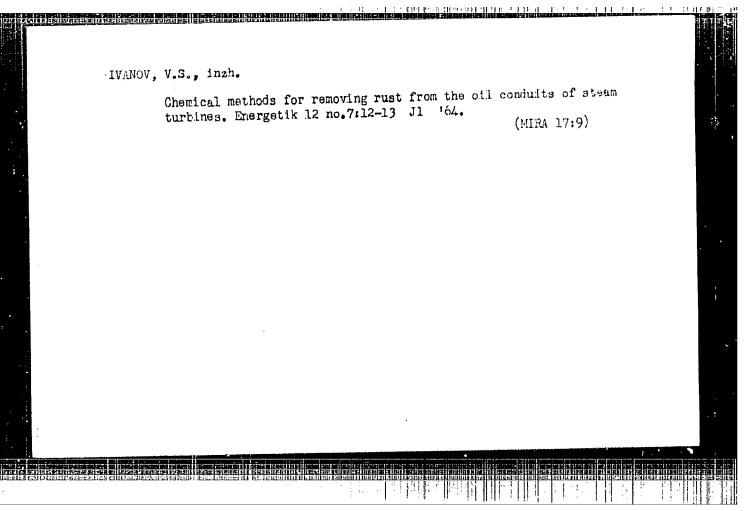
EMINOV, Ye.A.; OSHER, R.N.; PATSUKOV, I.P.; CHEKAVTSNV, N.A.; MAZYRIN, I.V.;
FUKS, G.I.; VLADZITEVSKII, A.P.; PATSUKOV, I.P.; AVDEIEV, A.V.;
LOPOIAN, G.S.; PETROV, G.G.; KOZORZOVA, A.A.; LISITEKII, K.Z.;
YAKOBI, M.A.; BELYANCHIKOV, G.P.; IVANOV, V.S., VORONOV, N.M.; RUMYANTSEV, V.A.; ZILLER, G.K.; BEREZHMAYA, V.D.; LEVINA, Ye.S.,
Vedushchiy red.; TROFIKOV, A.V., tokhm.red.

[Manual on the uses and consumption standards of lubricants] Spravochnik po primeneniiu i normam raskhoda smazochnykh meterialov.
Moskva, Gos.nauchno-tekhn.izd-vo neft. i gornc-toplivnoi lit-ry,
1960. 703 p.

(Lubrication and lubricants)

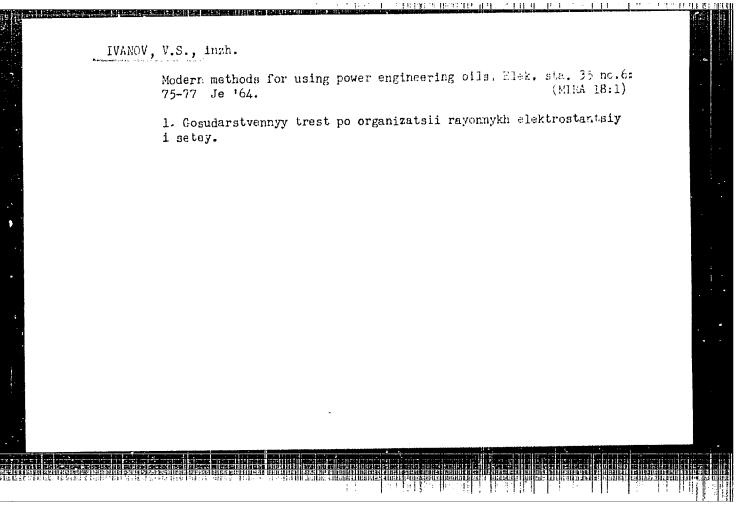






EMINOV, Ye.A.; SINITSYN, V.V.; OSHER, R.N.; CHEKAVTSEV, N.A.; PATSUKOV, I.P.; USOV, A.A.; FUKS, G.I.; VLADZIYEVSKIY, A.P.; AVDEYEV, A.V.; ARZUMANOV, Sh.P.; PETROV, G.G.; KOZOREZOVA, A.A.; LISITSKIY, K.Z.[deceased]; YAKOBI, M.A.; BELYANCHIKOV, G.P.; IVANOV, V.S.; VORONOV, N.M.; RUMYANTSEV, V.A.; TROFIMUK, V.A.; BERSHTADT, Ya.A.; ZILLER, G.K.; BEREZHNAYA, V.D.; KLEYMENOVA, K.F., ved.red.; TITSKAYA, B.F., ved. red.

[Manual on the use and norms for the expenditure of lubricants] Spravochnik po primeneniiu i normam raskhoda snazochnykh meterialov. 2. perer. i dop. izd. Moskva, Khimiia, 1964. 855 p. (MIRA 18:3)



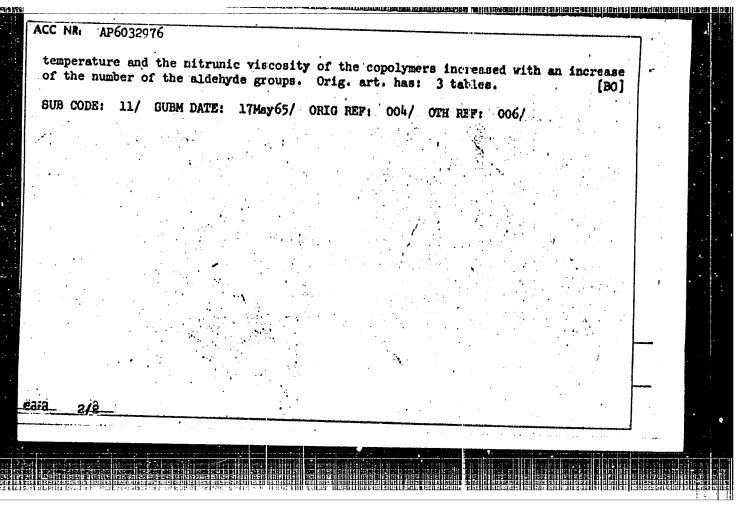
IVAHOV, Vasilly Sargaygvich; SEREBRYHECKIY, Peliks Zincylysvich;
FAYERMAN, A.L., red.

[Gas and oil systems of hydrogen-cooled generators] Gazemaliance khozinistvo generatoro; s voderodnyr ckhluzhdeniem.

Moskva, Energila, 1965. 286 p.

(Mish 18.8)

	इस बामधात	
ACC NR AP6032976 SOURCE CODE: UR/0138/65/000/010/0004/0005		
AUTHOR: Ivanov, V. S.; Buslayev, G. S.		
ORG: Leningrad State University (Leningradskiy gosudarstvennyy universitet)	1	
TITLE: Synthesis of aldehyde rubbers \"		
SOURCE: Kauchuk i rezina, no. 10, 1966, 4-6		
TOPIC TAGS: aldehyde rubber, acrolein butadiene, copolymer, emulsion copolymerization, elastomer, aldehyde, and their rubber, chamical and their acrolein, methacrylaldehyde or 2-ethylacrolein with butadiene, defined as aldehyde rubbers CKA-1) CKA-2 and CKA-3, respectively. The study was undertaken because the acrolein modified or vulcanized. The copolymerization was conducted at 20C in acid media (pH = 2-3) in sapanine [N-(2-diethylaminoethyl)oleamide] chloride emulsion and was initiated by the FeSO4. TH2O-cumene hydroperoxide redox system. The copolymerization products were elastomers with free aldehyde groups. The number of these groups varied from 19 to 40%. The elasticity of the copolymers increased with the concentration of aldehyde groups. Their plasticity increased with the number of carbon atoms in the substitient at the 2-carbon atom. The glass transition		
Card 1/2 UDC: 678.762.2-/39]	



EEC(k)-2/EMT(1)/EWT(m)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/NG 30154 SOURCE CODE: UR/D120/66/00C/004/0185/0189 L 45793-66 ACC NR. AP6030154 AUTHOR: Bagayev, V. S.; Berosashvili, Yu. N.; Ivanov, V. S.; Kopylovskiy, B. D.; Korolev, Yu. N. ORG: Institute of Physics AN SSSR, Moscow (Fizicheskiy institut AN SSSR) TITLE: Some thermal effects in GaAs semiconductor lasers 27-21 SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1966, 185-189 TOPIC TAGS: semiconductor laser, solid state laser, laser R and D ABSTRACT: The results are reported of an investigation of the semiconductor laser heating during pulse injection and of the effect of laser heating on its radiation characteristics. Semiconductor specimens of 0.0008--0.00; cm2 area had a diffusion p-n junction and a resonator made by a spallation method; threshold-current density was 2000-4000 amp/cm2 at 77K. Current pulses up to 10 usec were used for excitation. The temperature rise was measured by the shift of generation modes. From this temperature rise, the quantum yield (30%) and efficiency (11 and 20%) of the laser are estimated. They are comparable with the values (21-18% and 8-12%) estimated from the radiated power. To eliminate the semiconductor specimen heating during the injecting pulse, a special transistorized pulse generator was built which developed a current pulse of 150 amp with a rise time of 5 x 10 0 sec. Cases of Card 1/2 UKL 621.378.32